

**Operating Systems continue to evolve -**

* There are differences for field testing in spring 2014 vs. operational testing
* See the field testing information here:
  + [Spring 2014 field testing technology specifications](http://www.parcconline.org/sites/parcc/files/TechnologyGuidelinesforSpring2014FieldTestParticipation8-30-13.pdf)
  + [Full specifications for field testing here](http://www.parcconline.org/sites/parcc/files/FullTechnologySpecificationsforPARCCFieldTestV1.1-Sept2013.pdf)

**Additional Information**

* Bandwidth requirements – Recommended 100 Kbps/student or faster
  + There is now talk of a cached option at least for field testing in the spring – read here:
  + [Caching to manage network traffic](http://www.parcconline.org/sites/parcc/files/ProctorCachingtoBetterManageNetworkTraffic_08022013.pdf)
* Research studies on use of virtual vs. external keyboards – This is addressed in Version 3.0 above.
* Accessibility & accommodation guidelines – [Accessibility Manual and Guidelines](http://www.parcconline.org/parcc-accessibility-features-and-accommodations-manual)
  + [Accessibility features page 7 here](http://www.parcconline.org/sites/parcc/files/FullTechnologySpecificationsforPARCCFieldTestV1.1-Sept2013.pdf)
* Testing platform software – Still to determine but some information here about Pearsons/PARCC planning: [Pearson online testing](http://www.pearsononlinetesting.com/TestNav/8/index.html)
* Input device requirements – included in version 3.0 above.
* Software and/or browser requirements – October 2013
* PARCC test administration manual, style guide, online and state level PD – [Available here](http://www.parcconline.org/assessment-administration-guidance)
* PARCC Field Test Administration Materials - <http://www.parcconline.org/field-test>
* IM/email
* Bluetooth connections
* Application Switching
* Printing

**Security Control Considerations**

* Restricted Internet access
* Availability of Secure Browser
* Cameras – still and video
* Screen Capture – live and recorded

**Hardware Specifications/OS and devices for operational testing in 2014-15**

* [PARCC Guidelines 3.0 released September 2013](http://www.parcconline.org/sites/parcc/files/TechnologyGuidelinesforPARCCAssessmentsV3.0Sept2013.pdf)

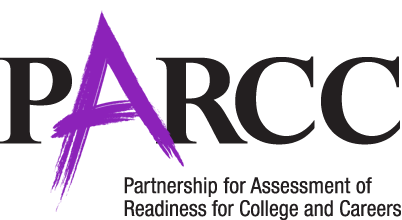


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**New Purchase Specifications**

Provided by PARCC for all states – NYSED to provide NYS Guidance



**Technology**

**Decisions Timeline**

Provided by PARCC for all states – NYSED to provide NYS Guidance



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|  | SPRING 2012  Version 1.0 | FALL 2012  Version 2.0  2.1 update released February 2013 | SUMMER/FALL 2013  Version 3.0 released September 2013 |
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| **Hardware** | Establish minimum guidelines for new hardware. | Define the oldest systems that will be supported for 2014-2015 assessments based on data from the Technology Readiness Tool. | Released with still a few outstanding items. |
| **Security** | Considerations for device security requirements. | Updates to security considerations as necessary. | **Fall** **-** Final security requirements for 2014-2015 assessments. |
| **Bandwidth** | Does not define specifications for bandwidth. | Define minimum bandwidth guidelines based on data from the Technology Readiness Tool and the item/delivery platform design phases. | Bandwidth determination has not changed but caching options are talked about for field tests in spring 2014 |
| **Software** | Does not define specifications for testing software. | Will not define specifications for testing software. | **Fall** **-** Final guidelines for 2014- 2015 assessments based on test item and delivery platform designs. |